

IN THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Original) In a developing device comprising a plurality of developing sections each including a developer carrier that causes a developer deposited thereon to form a magnet brush and contact an image carrier, said developer carrier comprising: a rotatable nonmagnetic sleeve; and a stationary magnet roller accommodated in said sleeve and including a magnetic pole for scooping up the developer to said sleeve, a magnetic pole for conveying said developer deposited on said sleeve, and a main magnetic pole for causing said developer to rise on said sleeve in a form of the magnet brush; wherein said plurality of developing sections include at least one developing section in which a flux density of said main magnetic pole in a normal direction has an attenuation ratio of 40% or above and at least one developing section in which said flux density has an attenuation ratio of 30% or below.
2. (Original) The device as claimed in claim 1, wherein said developing section with the attenuation ratio of 40% or above stores black toner while said developing section with the attenuation ratio of 30% or below stores toner of another color.
3. (Original) The device as claimed in claim 2, wherein said developing section storing the black toner is implemented as a stand-alone developing unit while said developing section storing toner of another color is implemented as part of a revolver.
4. (Original) The device as claimed in claim 2, wherein said plurality of developing sections are constructed into a revolver.
5. (Original) The device as claimed in claim 4, wherein said plurality of developing sections are matched in weight to thereby balance rotation of said revolver.

6. (Original) The device as claimed in claim 5, wherein said developing section with the attenuation ratio of 40% or above further includes an auxiliary magnetic pole for helping the main magnetic pole form a magnetic force.

7. (Original) The device as claimed in claim 5, wherein any one of said plurality of developing sections whose main pole has a half width of 22.degree. or below further includes an auxiliary magnetic pole for helping the main magnetic pole form a magnetic force.

8. (Original) The device as claimed in claim 1, wherein said plurality of developing sections are constructed into a revolver.

9. (Original) The device as claimed in claim 8, wherein said plurality of developing sections are matched in weight to thereby balance rotation of said revolver.

10. (Original) The device as claimed in claim 9, wherein said developing section with the attenuation ratio of 40% or above further includes an auxiliary magnetic pole for helping the main magnetic pole form a magnetic force.

11. (Original) The device as claimed in claim 9, wherein any one of said plurality of developing sections whose main pole has a half width of 22.degree. or below further includes an auxiliary magnetic pole for helping the main magnetic pole form a magnetic force.

12.-34. (Cancelled).

35. (Original) In a process cartridge comprising a developing device and an image carrier, said developing device comprising a plurality of developing sections each including a developer carrier that causes a developer deposited thereon to form a magnet brush and contact said image carrier; said developer carrier comprising: a rotatable nonmagnetic sleeve; and a stationary magnet roller accommodated in said sleeve and including a magnetic pole for scooping up the developer to said sleeve, a magnetic pole for

conveying said developer deposited on said sleeve, and a main magnetic pole for causing said developer to rise on said sleeve in a form of the magnet brush; wherein said plurality of developing sections include at least one developing section in which a flux density of said main magnetic pole in a normal direction has an attenuation ratio of 40% or above and at least one developing section in which said flux density has an attenuation ratio of 30% or below.

36. (Original) The process cartridge as claimed in claim 35, wherein said developing section with the attenuation ratio of 40% or above stores black toner while said developing section with the attenuation ratio of 30% or below stores toner of another color.

37. (Original) The process cartridge as claimed in claim 36, wherein said developing section storing the black toner is implemented as a stand-alone developing unit while said developing section storing toner of another color is implemented as part of a revolver.

38. (Original) The process cartridge as claimed in claim 35, wherein a gap for development between said image carrier and said developer carrier is reduced only in one of said plurality of developing sections storing black toner.

39. (Original) The process cartridge as claimed in claim 38, wherein said developer carrier of the developing section storing the black toner has a greater diameter than developer carriers of the other developing sections storing toner of other colors.

40.-52. (Cancelled).

53. (Original) In a color image forming apparatus comprising a developing device, said developing device comprising a plurality of developing sections each including a developer carrier that causes a developer deposited thereon to form a magnet brush and contact an image carrier, said developer carrier comprising: a rotatable nonmagnetic sleeve; and a stationary magnet roller accommodated in said sleeve and including a magnetic pole for

scooping up the developer to said sleeve, a magnetic pole for conveying said developer deposited on said sleeve, and a main magnetic pole for causing said developer to rise on said sleeve in a form of the magnet brush; wherein said plurality of developing sections include at least one developing section in which a flux density of said main magnetic pole in a normal direction has an attenuation ratio of 40% or above and at least one developing section in which said flux density has an attenuation ratio of 30% or below.

54. (Original) The apparatus as claimed in claim 53, wherein said developing section with the attenuation ratio of 40% or above stores black toner while said developing section with the attenuation ratio of 30% or below stores toner of another color.

55. (Original) The apparatus as claimed in claim 54, wherein said developing section storing the black toner is implemented as a stand-alone developing unit while said developing section storing toner of another color is implemented as part of a revolver.

56. (Original) The apparatus as claimed in claim 53, wherein a gap for development between said image carrier and said developer carrier is reduced only in one of said plurality of developing sections storing black toner.

57. (Original) The apparatus as claimed in claim 53, wherein said developer carrier of the developing section storing the black toner has a greater diameter than developer carriers of the other developing sections storing toner of other colors.

58.-70. (Cancelled).

71. (Original) In a color image forming apparatus comprising a process cartridge that comprises a developing device and an image carrier, said developing device comprising a plurality of developing sections each including a developer carrier that causes a developer deposited thereon to form a magnet brush and contact said image carrier, said developer carrier comprising: a rotatable nonmagnetic sleeve; and a stationary magnet roller accommodated in said sleeve and including a magnetic pole for scooping up the developer to

said sleeve, a magnetic pole for conveying said developer deposited on said sleeve, and a main magnetic pole for causing said developer to rise on said sleeve in a form of the magnet brush; wherein said plurality of developing sections include at least one developing section in which a flux density of said main magnetic pole in a normal direction has an attenuation ratio of 40% or above and at least one developing section in which said flux density has an attenuation ratio of 30% or below.

72. (Original) The apparatus as claimed in claim 71, wherein said developing section with the attenuation ratio of 40% or above stores black toner while said developing section with the attenuation ratio of 30% or below stores toner of another color.

73. (Original) The apparatus as claimed in claim 72, wherein said developing section storing the black toner is implemented as a stand-alone developing unit while said developing section storing toner of another color is implemented as part of a revolver.

74. (Original) The apparatus as claimed in claim 71, wherein a gap for development between said image carrier and said developer carrier is reduced only in one of said plurality of developing sections storing black toner.

75. (Original) The apparatus as claimed in claim 74, wherein said developer carrier of the developing section storing the black toner has a greater diameter than developer carriers of the other developing sections storing toner of other colors.

76.-127. (Cancelled).